

## 101.9 - High Temperature Alloys (chip and disk forms)

Technical Contact: [john.sieber@nist.gov](mailto:john.sieber@nist.gov)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	C %	Mn %	P %	S %	Si %	Cu %	Ni %	Cr %	Mo %
866	Incoloy, 800	100 g	0.082	0.92	0.017	0.001	0.17	0.49	30.8	20.1	0.36
867	Incoloy, 825	100 g	0.021	0.39	0.018	0.002	0.32	1.74	43.5	23.4	2.73
1230	High Temp. Alloy, A286	disk	0.0428	0.652	0.0239	0.00095	0.411	0.137	24.08	14.65	1.15
1246	Incoloy® 800	disk	0.082	0.91	0.018	0.001	0.18	0.49	30.8	20.1	0.36
1247	Incoloy® 825	disk	0.021	0.38	0.018	0.002	0.32	1.75	43.5	23.4	2.73
1250	High Temp. Alloy Fe-Ni-Co	disk	0.022	0.052		0.0025	0.097	0.022	37.78	0.077	0.014
C2400	HA Steel ACI (17/4 PH)	disk	0.036	0.71	0.013	0.003	0.61	2.63	4.07	17.06	0.23
C2401	HA Steel (ACI-C-4M-Cu)	disk	0.062	1.03	0.025	0.027	0.74	3.17	5.46	25.1	2.13

Values in parentheses are given for information only.

## **101.9 - High Temperature Alloys (chip and disk forms)**

Technical Contact: [john.sieber@nist.gov](mailto:john.sieber@nist.gov)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Co %

0.075

0.089

0.151

0.076

0.089

16.1

0.10

0.19

Values in parentheses are given for information only.

## 101.9 - High Temperature Alloys (chip and disk forms)

Technical Contact: [john.sieber@nist.gov](mailto:john.sieber@nist.gov)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	Ti %	Al %	Nb %	Fe %	B %	Ta %	W %	V %	Ag %
866	Incoloy, 800	100 g	0.31	0.29	(0.09)	46.1					
867	Incoloy, 825	100 g	0.75	0.062	(0.45)	26.6	0.002				
1230	High Temp. Alloy, A286	disk	2.18	0.249	0.067	55.6	0.00519	(<0.001)	0.0695	0.229	(0.000025)
1246	Incoloy® 800	disk	0.32	0.30	(0.09)	46.2					
1247	Incoloy® 825	disk	0.75	0.060	(0.46)	26.5	0.002				
1250	High Temp. Alloy Fe-Ni-Co	disk	1.48	0.99	2.99	40.5	0.0078	0.003	V 0.077		
C2400	HA Steel ACI (17/4 PH)	disk			0.15		(0.0004)	V 0.092	(0.1)		
C2401	HA Steel (ACI-C-4M-Cu)	disk			(0.002)		(0.0004)	V 0.20	(0.18)		

Values in parentheses are given for information only.

## **101.9 - High Temperature Alloys (chip and disk forms)**

Technical Contact: [john.sieber@nist.gov](mailto:john.sieber@nist.gov)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

**As %**



(<0.005)



Values in parentheses are given for information only.

## 101.9 - High Temperature Alloys (chip and disk forms)

Technical Contact: [john.sieber@nist.gov](mailto:john.sieber@nist.gov)

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	Bi %	N %	Pb %	Sn %	Zn %
866	Incoloy, 800	100 g					
867	Incoloy, 825	100 g					
1230	High Temp. Alloy A286	disk	(<0.0001)	(0.003)	(<0.0003)	(<0.033)	(<0.018)
1246	Incoloy® 800	disk					
1247	Incoloy® 825	disk					
1250	High Temp. Alloy Fe-Ni-Co	disk					
C2400	HA Steel ACI (17/4 PH)	disk					
C2401	HA Steel (ACI-C-4M-Cu)	disk					

Values in parentheses are given for information only.